

____ CONTRACTOR'S PLANTS, EQUIPMENT, AND CONSTRUCTION PROCEDURES

NOTE TO SPECIFIERS: This paragraph is for use in specifications for a mass concrete dam involving concrete quantities in excess of 50,000 cubic yards. (Work may include a pumping or power plant, and/or other miscellaneous concrete.)

Prior to the installation of the Contractor's plants and equipment for processing, handling, transporting, storing, and proportioning concrete ingredients, and for mixing, transporting, and placing concrete, the Contractor shall submit drawings covering his plans, for approval by the Contracting Officer, showing proposed plant arrangement, including plans of locations and description of facilities for sampling of concrete and concrete materials as hereinafter provided. Included with the plans shall be a description of the equipment the Contractor proposes to use in sufficient detail that an adequate review can be accomplished. The drawings and description of plant, equipment, and sampling and testing facilities shall be submitted at least 60 days prior to plant erection.

After completion of installation, the operation of the plant and equipment shall be subject to the approval of the Contracting Officer.

Sampling and testing facilities for use by the Government shall be provided by the Contractor and shall include power-driven mechanical sampling devices, satisfactory to the Contracting Officer, as may be necessary for procuring and handling representative test samples of aggregates and other concrete materials during batching and for obtaining samples of concrete as discharged from the mixers, for mixer efficiency, slump, and other tests ¹(, except that power-driven mechanical sampling devices will not be required for sampling concrete from truck mixers.) The concrete sampling device shall be capable of procuring samples of concrete from any point in the discharge stream as the concrete is being discharged from the mixer. After completion of the plant installation, the operation of the sample-taking facilities shall be demonstrated to the satisfaction of the Contracting Officer that they are suitable for the purpose intended. ¹(If truck mixers are used, where permitted by these specifications, the Contractor shall provide a stable, level platform with adequate shelter, satisfactory to the Contracting Officer, for concrete tests at the point of discharge from the truck mixers.)

The Contractor shall also provide ample and protected working space adjacent to the batching and mixing plants, free from plant vibration, and shall furnish necessary utilities such as compressed air, water, heat, and electrical power for operation of Government testing equipment and for execution of tests by Government personnel of concrete and concrete materials at the batching and mixing plants.

Where these specifications require specific types of equipment to be used or specific procedures to be followed, such requirements are not to be construed as prohibiting use by the Contractor of alternative types of equipment or procedures if it can be demonstrated to the satisfaction of the Contracting Officer that equal results will be obtained by the use of such alternatives. Approval of plants and equipment or their operation, or of any construction procedure, shall not operate to

waive or modify any provisions or requirement contained in these specifications governing the quality of the materials or of the finished work.

The cost of providing facilities and working space for procuring and handling representative test samples of concrete and concrete materials at the batching and mixing plants shall be included in the prices bid in the schedule for concrete.

The Contractor shall keep the Contracting Officer advised as to when batching and mixing of concrete, installation of reinforcement and forming, preparations for placing and placing of concrete, finishing, and repair of concrete will be performed. Unless inspection is waived in each specific case, these construction activities shall be performed only in the presence of a duly authorized inspector.

¹Delete if use of truck mixers will not be permitted for any part of the work.